POOR QUALITY ORIGINAL



W CR 112: B&W Document

Danielle Sattman to: Robert Werner

05/27/2010 01:16 PM

History:

This message has been replied to.

Danielle Sattman Soule Project Manager Superfund Section Remediation Division Texas Commission on Environmental Quality







512-239-0158 b&w 1.pdf b&w 2.pdf b&w 3.pdf

EPA INSERTED DOCUMENT SEPARATOR

Site Discovery

&
Assessment

Facility Name ABAN DONED

BuildING (B+W)

TXD#: 481-055-080

SW Reg# NONE
Other # TX#: 1806C
County MIDLAND





U.S. Environmental Protection Agency

Superfund Information Systems

Control Unit Print Version Search:

FPA Home > Programs > Superfund > Siks > Superfund Information Systems > Archivett Siks | Texas > ABANDONED BUILDING(B & W)

CERCLIS Database

Archived Sites

Record of Decision System (RODS)

Superfund's Data Element Dictionary (DED)

Order Superfund Products

Archived Sites

ABANDONED BUILDING(B & W)

Site Information | Action

Site Information:

Site Name: ABANDONED BUILDING(B & W)
Street: #3 INDUSTRIAL LOOP.

City / State / Zip: MIDLAND, TX 79701

EPA ID: TXD981055080

EPA Region: 06

County: MIDLAND

Non-NPL Status: NFRAP

Actions:

OU Action Name	Qualifier	Lead	Start	Completion
00 DISCOVERY		S		05/08/1985
00 PRELIMINARY ASSESSMENT	L.	S	05/01/1987	05/01/1987
00 SITE INSPECTION	N	S	12/01/1988	12/01/1988
00 ARCHIVE SITE		EP		08/01/1994

OSWER Home | Superfund Home

#3 Industrial Loop Site
Mr. Jimmy Tedford
Federal Deposit Insurance Corporation
P. O. Box 3148
Midland, Texas 79702

Jimmy Tedford

(800) 592-4023

NA anapropriet

14 3 02 2 3 9 PM

BEW WELDING AND CONSTE

BAW WELDING AND CONSTRUCTION SITE INVESTIGATION

Prepared for:

Texas Water Commission State Superfund Unit

D87052 JN 117203 JONES AND NEUSE, INC.

Engineering and Environmental Consultants

Austin-Houston-Belton-Corpus Christi-Temple-Orange

© Jones and Neuse, Inc. 1987



August 31, 1987

Ms. Christy Smith, Head State Superfund Unit Hazardous and Solid Waste Division Texas Water Commission P.O. Box 13087 Austin, Texas 78711

Re: Site Inspection of B & W Welding and Construction JN 117203 TWC 14-70020

· Dear Ms. Smith:

Contained herein is the final Site Inspection Report prepared pursuant to the investigation of the above referenced facility. We trust that you will find this report acceptable and have enjoyed working for you and the Commission on this project. Should you have any questions or require any additional information, please feel free to call me at 512/327-9840.

Sincerely,

JONES AND NEUSE, INC.

Michael G. Dick Project Manager

,.....

Attachment

MGD/jlb

2720 Bee Cave Road

ţ

Austin, Texas 78746

512-327-9440

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SECTION 1 EXECUTIVE SUMMARY

I. EXECUTIVE SUMMARY

Jones and Neuse, Inc. (JN) was retained by the Texas Water Commission (TWC) to perform site inspections at potential hazardous waste sites. The site described herein was identified pursuant to 31 TAC Sections 335.341-335.346 and TWC Contract No. 14-70020 concerning the hazardous waste facility assessment and remediation program, commonly referred to as the State Superfund.

The B&W Welding and Construction site is located at No. 3 East Industrial Loop in Midland, Texas. The site was formerly used by B&W as a metal fabrication and welding shop. As a result of foreelosure, the property is presently controlled by the Federal Deposit Insurance Corporation (FDIC). On November 1, 1984, while conducting a complaint investigation at the site, a TWC inspector found green colored water in an on-site water well. A sample of the water was collected and analysis of the sample showed a chromium concentration of 1.6 ppm. Another well sample collected by the FDIC in April, 1985 contained a chromium concentration of 2.5 ppm. Several off-site wells in the area were sampled by the TWC in 1985 and none of the samples contained chromium above the drinking water standard of 0.05 mg/l.

Extensive sampling of area soils by the TWC have not identified chromium contamination. According to a memo from the TWC Odessa Office, a possible source of the chromium found in the B&W well is a pit partially covered by concrete located on property south of the site (see Figure 1). This property contains two caliche pits that have been filled with miscellaneous trash. The south pit is covered by concrete. TWC sampling of one of the north pits did not indicate chromium contamination. No samples have been collected from the portion of the other pit covered by concrete. However, a TWC sample collected from an uncovered portion of the pit did not contain leachable chromium. A TWC memo discusses one soil sample that was reported as being collected "between the concrete and asphalt" that showed a

chromium concentration of 580 ppm. However, according to Matt Tokheim of the TWC Odessa office, the location of the sample was Maverick Drilling which is located 1 mile northwest of the site.

A site inspection was conducted by JN on March 17, 1987. This inspection revealed that the well at the B&W site is completed below grade and is not properly protected from outside sources of contamination. Field screening of soils around the well indicated the presence of chromium; however, samples submitted for analysis did not reveal leachable levels of E.P. Toxic chromium.

Area water wells produce water from the southern most extension of the Ogallala Aquifer. At the site, the Ogallala water table is about 35 feet below the kind surface and the aquifer is about 50 feet thick. The unsaturated zone is composed of predominately medium to course sands and gravels with minor clays.

SECTION II SITE INSPECTION NARRATIVE

II. SITE INSPECTION NARRATIVE

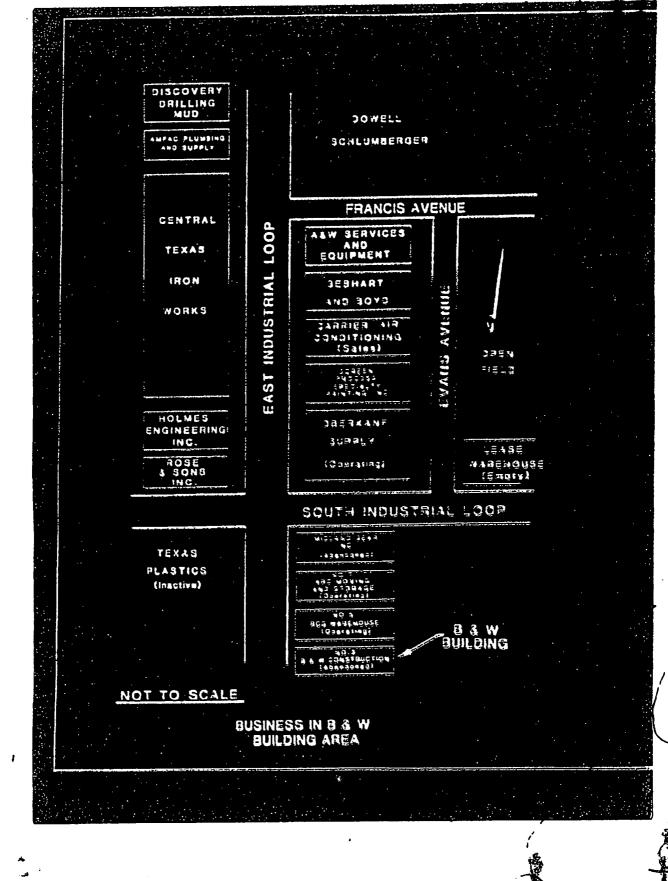
Jones and Neuse, Inc. representatives were accompanied by Kate Arthur with TWC during the site inspection. JN arrived at the site at 8:15 a.m. and discovered that the gate and building at the site were locked. A key to the building was obtained by Ms. Arthur from the FDIC office in Midland. While waiting for the key, the team members investigated the property to the south which contains the coment covered pit suspected by the TWC Odessa office of being the source of the chromium found in the B&W well (see Figure 1). The property is now owned by Mr. Will B. Brinson (915/699-4081).

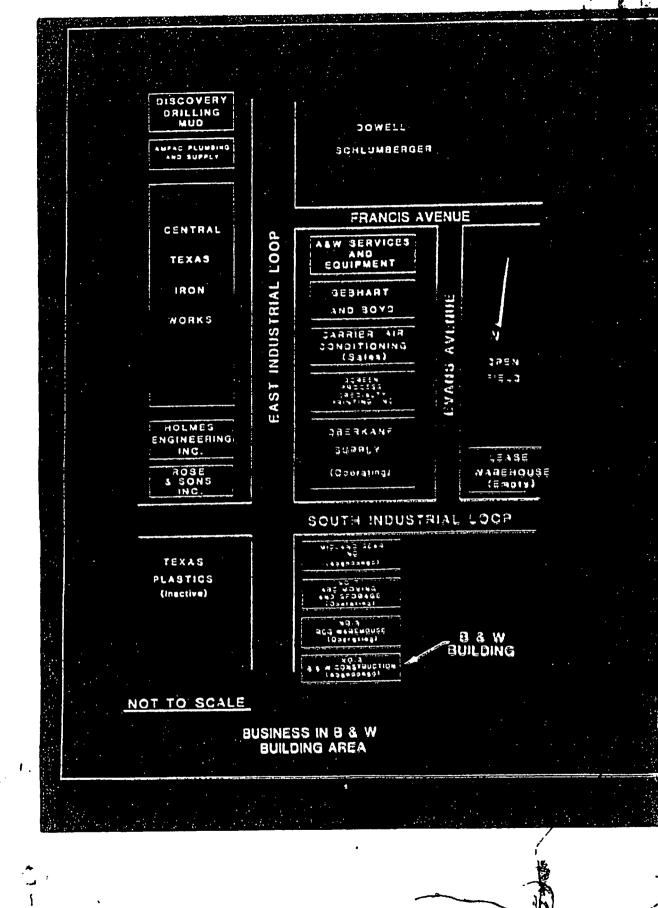
The soils at the site consist of windblown silts and sands to a thickness of approximately three feet. This is undersain by calchified silt to a depth of approximately 35 feet as observed at the caliche pits. The nearest surface water is the intermittent stream referred to as the Midland Draw six miles to the east. The gradient to Midland Draw is 0 to 2% with no observed drainage ways. The uppermost aquifer is the Ogailala with static water levels of 35 feet below gradie.

Yellow stains were noted on soil near the northwest corner of the cement covered pit and a sample was collected from this soil (SSF-004). In addition, a standing water sample (SSF-005) was collected from this area. At the request of the TWC, these samples as well is a background sample from the property (SSF-005) were not sample from analysis.

The water well at the B&W site is located near the northwest corner of the building (see Figure 1). A water holding tank, connected to the well with a PVC intake pipe, is located inside the building. The well has a below grade completion (see Figure 2, photos 2 and 4). The sanitary seal on top of the well was observed to have a 3(4 inch gap between the well casing and the intake pipe providing an avenue for run-on to enter the well.







A field screen test of the soils around the well tested positive for chromium. However, a sample of the soil submitted to the laboratory (SSF-008) did not show detectable levels of E.P. Toxic chromium. A ground water sample could not be obtained directly from the well because there was no electricity at the site to power the well pump. Instead, a sample was collected from stored water in the holding tank. Prior to collecting the sample, water was drained from the tank for five minutes. The sample was collected from an outside faucet next to the well head. This water sample (SSF-007) was filtered in the laboratory and did not contain detectable levels of E.P. Toxic matals series.

All samples were labeled, placed into airtight bags and preserved as necessary until delivery to Southwestern Laboratories, accompanied by a completed Chain of Custody Form. In order to determine the presence of hazardous waste on-site, waste samples were collected and screening tests were performed according to the sampling plan approved by TWC. Additional information concerning the facility and the JN inspection is contained in Table 1, TWC Site Inspection Report and Attachment A, Data Collection Guideline. The analytical results of the samples collected during the site inspection are included in Attachment B, Laboratory Data Sheets and are discussed in the following Section III, Data Summary. The location of the site with respect to regional features is shown in Attachment C, County Map and in Attachment D, USGS Map.

FIGURE 2 SITE PHOTOGRAPHS

Note: Photographs have been renumbered for clarity in this report.

Numbers in parenthesis refer to the photograph number on a particular roll of film and as described in JN field notes.



Photo #1 (23)

B & W Welding and Construction

Main entrance on west side.



Photo 12 (3)

R & W Welding and Construction Storage yard in back of building. (West looking cast)



Photo #3 (24)

B & W Welding and Construction

Well head on north side of building

(On-site public supply well)



Photo 14 (3)

R & W Welding and construction

View of well head on north side of building

PVC pipe goes to pressure tank



Photo #5 (21)

B & W Welding and Construction

North caliche quarry on adjacent property.

B & W building is in upper right curner.

East looking west.



Photo 46 (17)

It & W Welding and Construction

South caliche quarry on adjacent property. East looking west:

Table 1
TWC Site Inspection Form
Residential Well Form

							
State Super Inspection	fund Report	ξ		rict	Inspection	Cate	
			1	0	3/17/87		
CERLIST Regis	cration #	Distr Bill		Contact	Abandone Yes	d?	
EPA:Id 1							
	I. S	TE IDENTIS					
A. Site Name				r other ide	unitien)		
Bond Welding and Constru	ction	73 East II		trial Loop			
C. City Midland		D. State Texas	E	. Zip Coda	F. County Midland		
G. Site Contact Inform	nation						
1. Name				2. Telepho	ne Number		
Jimmy Tedford (FDIC)				1-800-59	2-4023		
3. Street	4. 0	ity		5. State	6. Zip Co	ode	
P.O. Box 3148	<u> </u>	dland		Texas	79702		
H. Land Cwner Informat	ion						
l. Name Same	,			2. Telepho	ne Number		
3. Street	4. 0	ity		5, State	6. Zip Co	de	
I. Other						41149-1	
1. Name	. 2. R	elationshi:	3	i, Tirle	The Control of the Co		
4. Street	5. Ç	ity		ó, State	7. Zip Co	ce	
	II. IN	SPECTION I	(FOI	UNATION	*****		
A. Preparer Informatio1. Name	2	Control of the Contro		7. Title	7. 30 - 3 1 1 1 1 1 1.		
Robert L. Sherrill					jeus Team Leader		
3. Street	4. c			5, State	6. Zip Ça	de	
2720 Bee Cave Road	Ą	ustin	227,157	Texas	75746	e en majorare	
7. Organization Jones and Nouse. Inc.				8. Tolephot 512/32/±984	e No.larea e: 0	oge)	
B. Inspection Particip	ants	A CONTRACTOR OF THE PARTY OF TH	ID-0444	F-63-101 Spring		the factor of the	
1. Name 2. Organization				3. Telephor	e No.		
Robert L. Sherrill Jones and Neuse, Inc.			512/327-96-0				
		i Neuse, Inc. er Commissio		512/32/-9840 512/403=9003			
AND THE ROLL OF THE PARTY OF TH	30.00	Commission of		J (27 10 18300)			
. Site Representatives	Intervi	wed (corp.	ο£	ficials, uk	rs., resident	 .s)	
1. Name 2. Organization			17.0). Telephon	e No.		
Bill Lockey	er commissio	ij					
Matt Tokheim	(हेस्स्ट्रेन्स्स्	OF COMPLESS	VIII T				
	deservice of the second						
	To the same of the				***************************************		

<u>35'</u>	Depth (in feet) to uppermost aquifer - measured vertically from the lowest point of the hazardous substances to the highest seasonal level of the saturated zone of the aquifer of concern.
	Depth (in feet) from the ground surface to the lowest point of waste disposal/storage.
<u>D</u>	Physical State - the state of the hazardous substance at the time of disposal. a. Solid, consolidated or stabilized b. Solid, unconsolidated or unstabilized c. Powder or fine material d. Liquid sludge or gas e. Unknown - comments
C-4	Containment - See Ground Water Chart
U <u>nkn</u> own	Hazardous Waste Quantity - Quantity of hazardous substances deposited at a site except when completely contained. To not include amounts of contaminated soil or water; in such cases the amount of contaminating substance may be estimated.
	Basis of estimating and/or computing waste quantity:
	Location of nearest well drawing from the uppermost aquifor or building not served by a public water supply: Well On Site
Flat	Average Slope of facility in percent.



Name/description of nearest downslope surface water: Midland Draw - Intermittent Water Course 0.25 Average slope of terrain between facility and above-cited surface water body in percent. C-4 Containment - See Surface Water Chart. No Is there tidal influence? Circle appropriate land use, describe and designate location in relation to Coastal Wetland Fresh-water Land Critical Habitat National Wildlife Refuge facility.
None apparent. Comments: Weather Conditions: Mid 60's, Parely Cloudy, 36-40 mph, wind from the west Noticeable Odors? Air Monitoring Conducted? Security: Locked fences surrounding site

ADDENDUM TO TABLE 1 RESIDENTIAL WELL SAMPLING INFORMATION

1.	Name, address and phone number of resident (include county
	and zip code.
	J.D. Weaver
	SMC 26177
	Midland, TX
	915/563-4450
2.	Date well was dug Unknown
3	Depth of well ≈60'
4.	Depth to static water Unknown
5.	is the well cased? Yes x No
	If so, to what depth? Unknown
	What type of casing is used? PVC
6.	Is well screened? Yes No Cakaova
	How much is the well pumped? (Only for residential use or for
	use in watering livestock?) Daily for irinking water
8.	Any other pertinent information?
	**

SECTION III DATA SUMMARY

ONES & NEVISE

III. DATA SUMMARY

Analytical Data

During the site inspection six samples were collected:

SSF-004 Stain Soil in Pit No. 2 (not analyzed)
SSF-005 Background Soil (not analyzed)
SSF-006 Surface Water in Pit No. 2 (not analyzed)
SSF-007 On-site Water Well
SSF-008 Soil Over On-Site Wellhead
SSF-009 Weaver Trucking Water Well (not analyzed)

At the request of TWC, only two of these six samples were analyzed (SSF-007 and SSF-008). The laboratory data, tabulated in Table 2, shows that neither sample contained E.P. Toxic concentrations of heavy metals. The samples collected were properly preserved until delivery to Southwestern Laboratories. Analysis was performed within the holding time for the parameters requested. Analysis of the water sample (SSF-007) involved filtration of the sample. Thus, the data represents the total soluble fraction.

Geological Data

Although not required by contract, a search of water well records in the area was conducted in conjunction with the site investigation. It appears that all wells in the area produce from the lower Ogallala Aquifer. Static water levels of about 35 feet below the ground surface have been recorded from wells in the immediate site area. There are 740 water wells within a three mile radius of the site of which 667 are domestic use wells (closest being 45-08-1cc 667 feet from the site). 28 industrial use wells (closest being 45-08-1bb 3833 feet from the site), 24 public supply wells (closest being 45-08-1ff 7,000 feet from the site).

Table 2 Summary of Laboratory Analysis

(ppm - E.P. Toxic)

Metal	SSF-007	SSF-008	Criteria
Arsenic	<0.01	0.03	5.0
Barium	<0.50	0.95	100,0
Cadmium	<0.05	<0.02	1.0
Chromium	<0.10	<0.10	5.0
Lead	<0.10	<0.10	5.0
Mercury	<0.005	<0.005	0.2
Selenium	<0.01	<0.01	1.0
Silver	<0.05	<0.05	5,0

ATTACHMENT A
DATA COLLECTION GUIDRLINE

DATA COLLECTION GUIDELINE

JN Submittal Date	
TWC Approval Date	
Site B & W Building (43 Industrial Loan) - Milland, Towns	
Team Leader Robert L. Sherrill	
Team Member Miriam Renkin	
TWC Contacts Kate Arthur 512/592-4023	
Site Contacts	
WASTE Type Anticipated Soil Contamination	
Volume	
Samples Anticipated E.F. Ton Chrone	
Screening Analysis Field Screen Chronium	
Comments	
SURFACE WATER Availability Name anticipated	
Samples	
Commonts	
GROUNDWATER Availability 1 well opesited off-site	
Samples Anticipated 3 Chronics	
Servening Analysis	
Comments	
SURFACE SOIL Visible Stains Anticipated Name	
Soil Gas Sampling None	



DATA COLLECTION GUIDELINE (continued)

AIR	Release	Anticipated None
COM	TENTS _	Site has been extensively studied by District 10 personnel
	_	and no evidence of soil contamination was found. Ground-
	_	water contamination 59 2.5 pmm Prom has been found.
		The state of the s
		rene eren e kerrer ser izanak errek ezerekent sa mazere bira erene ilder ezer. Hit iza izan kistan araban iban birak

JONES & NEUSE

X YES

NG

(Explanation Attached; See Attached Map)

SAMPLE DEVIATIONS

ADDENDUM TO ATTACHMENT A DATA COLLECTION GUIDELINE

Sampling Deviations at B&W Welding and Construction

Waste:

No deviation

Surface Water: One sample taken in ponded water in Pit No. 2 due to

proximity to yellow stain. At the request of the TWC.

this sample was not analyzed.

Groundwater: Only one off-site well was sampled. At the request of

the TWC, this sample was not analyzed.

Surface Soil: One sample taken from visible stain in Pit No. 2. At

the request of the TWC, this sample was not analyzed.

Air: No deviation

ATTACHMENT B LABORATORY DATA SHEETS

SWL

SOUTHWESTERN LABORATORIES



Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services

프로군 Caracido St. • FG Box 6788 Mounton Taxas 77248 • 115 원6명 61월1

May 27, 1987

Re: State Superfund Project #117202 TWC Contract #14-70020 Analytical Reports (SwL Lab No. 87-563)

JONES AND NEUSE, INC. 2720 Bee Caves Road Austin, Texas 78746

Attention: Mr. Michael Dick

Dear Mike:

Enclosed please find the analytical reports for the following site:

B & W Welding & Construction, #3 Industrial Coop. - Midland, Texas

We have also submitted the QA data. Chain of Custody forms, and Laboratory Request forms with the analytical report.

The QA review of the report reveals the following:

- the method of standard additions was used for metals analysis on all EP Toxicity samples.
- all data quality objectives were met.

Please call if you have any questions.

Sincerely.

SOUTHWESTERN LABORATORIES, INC.

Russell J. DiRaimo, P.E.

Manager

Environmental Engineering Service

QA/QC Officer

75 IN AVAINTERSARY

RJD:pm

ANGLARIA ® YBJJAY ŠĢARRĢ CAR ® YYM, KIR KOTRODJAJAS ® TORAKIS O TAKOMUR A BALJAY ® KOTBUDA KARI 1834-9 © AMANTA-13T ® TRORŞYQAY-8 ® ŞÇAYÇIY ® QAYJQAY ® ŞJAY MIRON TROR TROR O CANDA



SOUTHWESTERN LABORATORIES

Materials, environmental and geotechnical engineering, nundestructive, metallurgical and analytical services

222 Caveloade St. • PO Box 8768. Houston, Texas 77245 • 713 692-9151

Fire No. 2-4724-17

Report No. 87-563 [1-6]

Report Date 5/11/87

Client:

Jones & Neuse, Inc. 2720 Bee Caves Road Austin, Texas 78746

Jones & Neuse SSF Project #117202 TWC Contract #14-70020

Facility:

B & W Welding & Construction #3 Industrial Coop. Midland, Texas

Robert Sherrill Date Sampled 3/17/87 Sampled by Trailways Transported by ___ Sample Type water, soil, waste 3/25/87 Date Received P.O. #_ Analysis Sample Identification Lab No. Hald SSF004 Stain in Pit 563-1 Hold SSF005 Background soil 563-2 rio i d SSFC06 Surface water in Pit 563-3 EP fox Metals SSF007 6 & W Well 563-4

SSF008 Soil over wellhead

SSF009 Weaver Trucking Well

SOUTHWESTERN LABORATORIES

EP Fox Metals

Hold

Fechnician

Reviewed by:

Russell J. DiRaimo, P.L.,QA

Hark Tipton

563-5

563-6

Environmental Engineering Serv.

Analytical Lab Supervisor

SOUTHWESTERN LABORATORIES

Client:

Date Extracted: _

Sample I.D. SSF007

Jones & Neuse, Inc.

File No.:

2-4724-03

Report No.:

87-563-4

Report Date: 5/11/87

EP TOXICITY

Date Received: 3/25/87 Date Sampled: NA

Contaminant	Measured Concentration, mg/l	Maximum Allowable Concentration, mg/l	Date Analyzed
Arsenic	<0.01	5.0	4/8/87
Barium	<0.50	100.0	4/4/87
Cadmium	<0.05	1.0	4/3/87
Chromlum	<0.10	5.0	4/3/87
Lead	<0.10	5 .0	4/3/87
Mercury	<0.005	0.2	4/8/87
Selenium	<0.01	\$.0	4/8/87
Silver	<0.05	5.0	4/3/87

SOUTHWESTERN LABORATORIES

Client:

Jones & Neuse, Inc.

Sample I.D. SSF008

File No.:

2-4724-03

Report No.: 87-563-5

Report Date: 5/11/87

EP TOXICITY

Date Sampled: 3/17/87 Date Received: 3/25/97 Date Extracted: ____4/2/87 Date Analyzed:

Contam!nant	Measured Concentration, mg/1	Maximum Allowable	Date
Arsenic	0.03	Concentration, mg/l	<u>Analyze</u>
Barfum	0.03	5.0	4 /8/87
Cadmium	0,95	198.0	4/6/87
Chromium	<0.02	1.0	4/7/87
Lead	<0.10	\$.0	4/7/87
Mercury	<0,70	\$.0	4/7/87
Selenium	<0.005	0.2	4/8/87
Silver	<0.01	2.8	4/3/37
4.	<0,05	5.0	4, 7,87

CHAIN OF CUSTODY RECORD

Sample 1	Location			Sample Co	
LIENT: Texas wo	ter commission	1		Robert	Shemil
FACILITY OCATION: Brw L	olding and const	ณฑ์สก			
	estral Icop				
Midlan	d, TX				
ield information:					
emple Location	Sample Type	<u>Date</u>	Time	Sampler	Analysis Requested
SSF CCY		3/17/57		e)	Held
sain in Pit	soil-weste		1030 km	<u></u>	Reld
Background 55 F CC6 Clauwaterin Pit	water	3117/57	1050 W	R_S	Hold
Btw well	water	3/11/27	1130 20	R.S	EP montale
sil overwell head	soil	3/17/37	1130 ha	NS	EP to mitals
uer trucking well	water	3/17/87	1345 6	RS	Held
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	Сн	AIN OF POSS	ESSION		
Relinquished by:		Receiv	ed by:		Date Time
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Millian Pan	to ex-	long MI	•)	Carling	3/2 - K 1 1/3 Cm
	yester, yester,		1211		The train

SUBMITTER: Trics Water Commission
DATE: 3/17/87
PHONE: (612)-327-9546
REQUESTOR: Rebect Shanki Torrebearequested DATE
PROJECT #: 172 CL OF COMPLETION:
SAMPLE TYPE: Soll- Marte
(industrial waste, groundwater, seil, solid waste, etc.)
(
REQUIRED ANALYSES:
FR Force Witali- HOLD
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NOTES: 5'S F CON
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Control of the second s
AL MARANUS AND THE STATE OF THE

FIGURE 6-3
LABORATORY ANALYSIS REQUEST

SUBMITTER: Rexas water Commission	
	DATE: 3/17/97
	PHONE: (6/2)-327-95-10
REQUESTOR: Religit Storill Tensor Proce	
PROJECT #: 1172 C2	OF COMPLETION:
	OF COMPLETION.
SAMPLE TYPE: Scil	
(industrial waste, ground)	vater, scil, solid waste, etc.)
REQUIRED ANALYSES:	
-E.P. Toric Mitals HOLD	
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	And the second state of the second se
NOTES:	
SSF 005 : Acclipment soil But	
South of pits in field behinsen pit	said I Ro
	The state of the s

FIGURE 6-3 LABORATORY ANALYSIS REQUEST

SUBMITTER: Texas water Commission	
	DATE: 3/17/57
	PHONE: (6/2)-327-9840
REQUESTOR: Robert Sherroll Tores . Les	
PROJECT 1: 1/72 6/2	OF COMPLETION:
SAMPLE TYPE: S. Face in ster	
	rater, soil, solid waste, etc.)
(and a second s	
REQUIRED ANALYSES:	
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	and the second distribution to the second
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NOTES:	
SSF CCE: Serface water in s	oth of con fred
willder site sample coilited	the state of the second
on amount bank	
FIGURE 6-3	

JONES & NEUS

SUBMITTER: TEXAS Water Commission		21.4.
		3/17/87
	PHONE:	(517)-327-2811
REQUESTOR: Report Sharroll Trops and Little		
PROJECT #: 172-02-		PLETION:
SAMPLE TYPE: Got of botte		
(industrial waste, ground	water, soil	. solid waste, etc.)
REQUIRED ANALYSES:		
F. P. Toxic Hirals		
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		Transcendent to the first transcending
		A PLANTA MANAGEMENT OF THE PARTY OF THE PART
	California di race	
	2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	and the best state of the state
in the second	771 U 310-010-0110	
		Principle (calculated by Village Co., 1997)
NOTES:		0028
SSF CO 7: Will water from S	fig. IC	
side of B+W Building		

FIGURE 4-3 LABORATORY ANALYSIS REQUEST

SUBMITTER: Texas hater Commission	
	DATE: 3/17/41
	PHONE: (512) -327-984
REQUESTOR: Part Should Town and Lieu	
PROJECT 1: 117202	OF COMPLETION:
SAMPLE TYPE: Soil	
	water, soil, solid waste, etc.)
REQUIRED ANALYSES:	
E.P. Toxic Matais	
	ALL MANUEL CONTROL OF THE ACTION OF THE ACTI
	,
The second secon	
	The second section of the second section is a second section of the second section of the second section is section.
NOTES:	
SSF 008 Soil over well at	martin of Court
Building	

FIGURE 6-3
LABORATORY ANALYSIS REQUEST

REQUESTOR: Rebert Shahill Townships PROJECT #: 1772 C2. SAMPLE TYPE: Garantee Grand to plant	DATE: 2/17/87 PHONE: (6/22-3-27-35/1/2) REQUESTED DATE OF COMPLETION: Iwater, soil, solid waste, etc.)
REQUIRED ANALYSES:	imator, son, sond waste, etc.)
NOTES:	
SSF 009 weaver trucking week B+W site awars 122	CII Section leaded has to my

FIGURE 6-3
LABORATORY ANALYSIS REQUEST

	6.	STANDARD		
ANALYTE	-	LOWER CON		
METHOD OF ANA	1515	UPPER CON		
DATE LAST HPD	ATED			
MERH RECOVERY	(1)			

CTANT	ARD DEVIATI	ON(S)		5.0
BOINNER	CONFIDENCE	LIHII		(4)
UPPER	CONFIDENCE	LINIT	(UCL)_	///

		SAMPLE ID OR	BACKGROUND	DUPLICATE	DIFF.	SPIRED CONU. OR STANDARD ECNC.	RECOVERED COND.	PERCENT RECOVERY
DATE	ANALYST	STANDARD	CONC.	CONC.	} _	100	1.01	
1.2.12		111						
	700	770	1015	10.05		CHIS COMMO	NOW YOU	
51921	(3:12)	0.50		10.05				
7.2	/	7/7	50.05	Colors		05	ON	
57.57	CIM	733-1	11 15	10.00		(T)	0.4	15/2
		703.71	(C) 05			Mary Comme		1.5
5-11-20	Cum	1250	(0)85	(C.C.S				
		273						

						The state of the same of the same of	The latest transfer to the con-	
						THE CONTRACTOR OF THE PARTY NAMED IN	The same of the sa	
				111.62	-			
,						Secretary and Secretary and Secretary	-	
					Mail and Par		The same of the same of	المناطقات
					1 10 10 10 10 10 10 10 10 10 10 10 10 10	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO	T. H. F. Andrewsky, Co.	
					various		The state of the state of	
					e de la contracta	2 22 22 22 22 22 22 22 22 22 22 22 22 2	-	
		أنبوط بالتراز				THE REAL PROPERTY.		
					-	and the first trade of the same		
				A CONTRACTOR OF THE PARTY OF TH		C 100		
						The same of the sa		E
				The second second second second	1			-
								ar storio esca
· -				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	كتبي ا		-	
							and the same and	
ļi							52) <u> </u>	
								-

-p = 100 Observed for Standards Known

P - 100 Observed - Background for Sample Spikes
Spike

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16	STANDARD DEVIATION(S)	1.85
ANALYTE METHOD OF ANALYSIS	**LOWER CONFIDENCE LIMIT (LCL	11:
DATE LAST UPDATED V.II-FF	UPPER CONFIDENCE LIMIT (UCL	

					NULTS		1.	
DATE	AHALYST	SAMPLE ID OR STAMDARD	BACKGROUND CONC.	DUPLICATE CONC.	DIFF.	SPIKED CUNC. OR STANDARD CONC.	RECOVERED CONS.	PERCENT RECOVER
—س	C/2/2	1.7.0	Carrie and		الأثراق ا	1000	0.54	71.0
3277		12.1	TO TOKE	11.68		250	053	
200	Can	1/2 - 2				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1.1
	GI po	222	00%				0.35	
7-6-77	C. 122	17.7.4	0.05			6.5	1000	11.3
3.7.27		173.5	1.75				16.50	
7.1.1.7	(i) /	125	(1.62			/ig \$ 1	6.51	
7	Co. 11	22-1	1000					7.
	2.271	11:00	4/12		المراسان		سار الراسية ا	
-		0.50						
	6:12	× 1			V			
		725	6.63	10.02	7.			
	G.M	7/	2.62	C. G.				
~	OID.	7.0	(('			1	7.5.	
2.34/2	337	77/	112	T2 (42-24-14)		/ 5:	2.55	100
5-57/4F2				1162				ينترج المترا
50.00		FECT I		10.61		100		
27/-57		274.3			÷~~~~			
\$17/47	601	23.00	C. C.1				The straight of the last	
3.00.70		20	/ ///			57		
	22 M	316.5	1 (.5	C.C.				115
2.36.82	62.12		6.65	Approximately to the second	- Aller		The Contract of Street	
3.1.1.	C.P.	2:3-1	40.00	7/202	-			7
3 12.77	GIA	7401	11. 6			THE REAL PROPERTY.	and realized with	
55.00	14 M	7. 2				17 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /		14
1/22/11	com	THE REAL PROPERTY.	5/10/10/10	(0.65				
2.57.7	-: 17°	11.25	3. V 16.55		W			
300/200	1.00	2515C	THE PARTY OF THE P	6.05	· · · ·	The second second second	-	
16734	3 MO							
7,7	医	13050	She lees	1.05		36	<u> </u>	7
	(11 p)	6 50 cm						
	4.0			2 4 4 7 1 1		/ //	110	-
	27:11	111. 72.	11.2 1005	1/105		1.1		120
		177.20	37 4 75	100				-
	27.	7.7.5	ALL STATE OF THE S		V		various un	-
Signal Control		130.19	133 / 605	CC 05		7.50	٠٠٠/	

•p • 100 Observed for Standards
Known

P = 100 Observed - Background for Sample Spikes

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	Co	STANDARD DEVIATION(S)	915
ANALYTE METHOD OF AN	ALYSIS 3237	**LOWER CONFIDENCE LIMIT"(LCL	5
DATE LAST UP		**UPPER CONFIDENCE LIMIT (UCL	

						nut			
			SAMPLE TO	BACKGROUND	DUPLICATE	:	SPIKED CUNC. OR STANDARD	RECOVERED	PERCENT
٦	DATE	ANALYST	OR STANDARD	· CONC.	CONC.	DIFF.	CONC.	CONEL	RECOVERY
_	F 23.2			2000 1600	5C.CI		Carl N	日 アスト	1.72
H	22.27	ume		BE VKCCI	1001		17.20	.0015	6.
٧;		(1)		TEFO MICHAEL			国的大学 (1000年)		(C)
	627.77		Ware a			المستقل ا	77.7.3	W/255	
	200	(2m)	Wall Street					7	15.5
_ i	20022		C 2-2	15:01	15:01				l
			- A 772 F. G				THE PARTY NAMED IN	A	112
_ ``			714	4000	G CL			<u> </u>	<u> </u>
			727.2	11.01	Carle San				
	5.52	Cyp:	000 0000						12
		, ,	7-24	(C.C)	10 01			!	
ناد	-0.22	GIN.	1-10 Miss				7255	E 12.3	7.2
4		/	7:3-1	(6.01	10,0				# (~~~ x x x x x x x x x x x x x x x x x
			2,7-21	16.01	10.01	سرا آ			
1									***************************************
7									
ı					water the proposed through the same				
_									
H									
J									
Н						التنازل			
					4				
۲i					14 Will I Grant Land Cont.	accuse of the			
li					A All Maria				
_						(1)			
					11.11.11.11.11.11.11.11.11.11.11.11.11.				***************************************
				(10)	TOTAL OF THE SECRETARY	12.0			
{i									
ď.		المراجعة المراجعة ا				100			
4									
Į.									

P = 100 Observed for Standards

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P = 100 Observed - Background for Sample Spikes

EPA INSERTED DOCUMENT SEPARATOR

	C ·	STANDARD DEVIATION(S)	120
ANALYTE	79	. LOWER CONFIDENCE LIMIT	
METHOD OF ANALYS	-	UPPER CONFIDENCE LIMIT (UCL)
DATE LAST UPDATE		STORE COM TOURS	
necoursy /5			

					C. 1	SPIKES CONC.		p•
		SAMPLE ID OR STAMDARD	BACKGROUND CONC.	DUPLICATE CONC.	Divi.	OR STANDARD CONC.	RECOVERED CONC.	PERCENT RECOVERY
DATE	ANALYST		.112	113		77.		
4036	(2)11		100					
	77.7	10.27					-	الأجراط
EDITOR	1.50	1/3:3	14/11/1	100				
12.50	1. 20 m	773	1					
	8.00 20							7
(: . · . ·	200							
			100					
			- 11					
	200	1	6				-	-
	- / ·		11.15	C/18.25			7	
	(m. 17)		6111.5	77 M. C. W.	+~~~·		ores and a	
	1			No. of Contrast	حكسي	No. of Street, or other Persons		
1. 1. 1.		/				/ 5.5		
./								7
-777					Alpes William			
100000	110					1		140
2522	. 6 * * *					Variety of the Control of the Contro		
40.00	1.1.1	Sec. 11	77.7			CONTRACTOR OF THE PERSON ASSESSMENT	7	
Carried Street			والمراجع التي		-			7 =
5.4.			11.					
	71 C	3.0 E.S.					7	نسند الأراق
	3.0	4.		(2.7)		The second second		
_		1 1 1 1 1	111 11111				-	A.
-	1 1 1	المستحيدين	17.27.16.16	747				
		THE REAL PROPERTY.	North CC	430		100 mm (1 mm)		تخنينا ا
13.27	1,117		2000					-
94747	34 61		SEPARE I				And the same of	
1.11-1-	1977		THE WAR					
10.02	12.0%	1.00		1	-		The state of the last	
22.7.7.7.2	2.27	100	NAP LE	Children .	- Commence			
				-144	W	and the control of the control		
	1,215	T. H. C. L.	THE PERSON NAMED IN		- 200 / 2000			
· 1/2	200	BOX SEE	THE PERSON AND PROPERTY.					
	5.0	17.5	تتناسب فعينيون		- (ar-1-armet			-
	23.72	17 35.37				Value of the value		Company of the last

• P • 100 Observed for Standards
Known

P - 100 Observed - Background for Sample Spikes
Spike

· 2 + 2

-ANALYTE 15	STANDARD DEVIATION(S)	1.75
METHOD OF ANALYSIS	**LOWER CONFIDENCE LIMIT (LUL)	
MARC I BET INDUSTED	**UPPER CONFIDENCE LIMI (UCL)	111
MEAN RECOVERY (I)		

		,			-	ISTOCKED CONT.	10000-00-00-00-	
		SAMPLE ID OR	BACKGROUND	DUPLICATE	DIFF.	OR STANDARD	RECOVERED CONC.	PERCENT RECOVER
DATE	ANALYST	STANDARD	CONC.	CONC.		CONC.	A STATE OF THE STA	WECOVER -
27.7	77	-	****					
2.7.3	TA:	32607	1000				THE RESERVED	
1077	74	2502	20.00					
FIGURE	-r/:		11000					
4.00	500		17 61			1/20		
5 - A: 3	+v.)	2-36	17-17-7	65.5				
		C. E.	(1)				and the same	200
35.00	71.		7: 1:	141				-
	TE		1000			/	AND DESCRIPTION OF THE PARTY.	
27700	لديوس:	0.40	- C. C. C.					The second
7 7000		(E) /						
	,7K1	6.14	0000			, market en	្រសាសន៍ប្រែក ការប្រជាពីក្រៅក្នុងនៅកម្ពុជ	
2.46			100					the seconds and
	77.	9.7	11.16.5			20.55	district and desired	
	7.							
	-17							
25757	ن تسم	CC:	Z 90.5			4 1 2		
10.00	171		S. V. A. A. B.	Sec. 1				
THE REAL PROPERTY.			North Arthur					4
25,52	ブ・つ	2:	16.14.2					
1.0.7	77					timite		
The same								
TER 2 (18 C)	, ;;							
BESTELL.					TR-22-2015-12	2,37	1	
3.512	.7 F	/						انشزي
	27			-				
	Ti	1//-			10.00	7.5	Accessed to the second of the	
	212	65-6	6.7					
	26	76-1	11/21	merchanism and a grown and a fine	Charlet and	. (-,5:.		
	Carpy.	CTC IN ST		denie od setom Utilia	18 may 11 15			701/
		1.53-10	CO. 845	16.016	The Second	arts in morning	the second second	Particular Committee
		653-11	1000	16.016	7			7
5-11-5-2 6	2 11 1	57.0 (4.25				25	757	and sold the second
	15-7/7	11.2	0.001					
		603	0.000	1.00		170 117 27 1 17 18 18 18 18 18 18 18 18 18 18 18 18 18		
			7.7					

P = 100 Observed for Standards
Known

100 Observed - Background for Sample Spikes
Spike

ENALYTE	F	STANDARD DEVIATION(S)	1.1.3
ETHOD OF ANALYST		**LOWER CONFIDENCE LIMIT (LCL) **UPPER CONFIDENCE LIMIT (UCL)	125
EAN DECOVERY (T)	(2)		

					patery .		· ·	
ATE	ANALYST	SAMPLE ID OR STAMBARD	BACKGROUND CONC.	DUPLICATE CONC.	DIFF.	SPIKED COND. OR STANDARD CONC.	RECOVERED COND.	PERCENT RECOVER
1100	17: 11:	620-2	11110	Ci (Li)	المراجع ا	G; /		(F)
11-15-12	(3.77)	200 /10	131.3/10 4	50.10		10		
11.52	6.0		استستنت					
20.00			Lieu			5.01		
والمرازين		20 11:	7.6-160.1E	10.10		1.50	2	121
1000			Wilcon	10.16		17.7		100
1270		-11 -11	27.1160 K	11.12				
0.00			THE PROPERTY.				777	
0.271			RESEARCH	5161				
		1/4						
		-0	1465 163 16	1010				
1 (7.50	200	32.27	Circles.	1207				6
-1.11	4 2 7	70200	25	and rationism on the	Y TO	3:0		16 3
- J., .	-,-/-/	270	CC 15	10 10				
		710	27	6.33		- tall desire to the late of t		
24.67			A Sangaran			200	-27	11.7
577	9277	(1/- 1/4	SOIL	(13.10		-ula sala sala sala sala sala sala sala s		
		731-1		(47)		0.56	20.33	
					 _	200 -		
		721.2/	9.11	Fi A	-	11.	117	17.7
-17/4	Ga 27.	CONTRACT		The second second second	1			
;	/ / <u> </u>				- X			-
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				biographic and the second				÷*******
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				in 160 protection				Company of the last
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				and the state of t		THE PERSON AND THE RES	and the second of the second	
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_			فأشتناها	To the second second				
						The Company of the Co		

^{*}P • 100 Observed for Standards

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P - 100 Observed - Background for Sample Spikes
Spike

	01		
ANALYTE	237	STANDARD DEVIATION(S)	"رج س
METHOD OF AND	187515	**LOWER CONFIDENCE LIMIT (LUL)	
BATE LAST HER		UPPER CONFIDENCE LIMIT (UCL)	1.7.
ATTAN DECONES			

						reuts			-
	DATE	ANALYST	SAMPLE ID OR STANDARD	BACKGROUND CONC.	DUPLICATE CONC.	DIFF.	SPIKED CUNC. OR STANDARD CONC.	RECOVERED CONC.	P* PERCENT RECOVER
	3 (37)	1. 11.	REGISE.				100 To 10		
٦	10/2/2	61.00	56.33	0005	11.11.5		A SECTION		
1	C-1-14					ياركين ا			
4	22.502	:4'-4'		(4.11)	(1)				
	CLE TH	12 M	77,57	51.11	£				
٦			15:2	1.7					
1		6 19 11							
	الانجالا	-i, /?	1 2.						
٦							2.		
1	. 73	4. 1.		7. 27				ne ennime	-
J		621							`
	ومستوي	611			-			100	
1	1-17	5, 10,							
Ŧ	122.6	212 T	11.00						
4	7.1.1								
1	1	426	TRACE	4.3		-			
J	5. T. T.		100	24.0.5	11.11.15				
		3, 77.7							بشنشت
7	17.7	1000	32222	41.05	100				7.6
ı	100	1,72	277			1117			
	111111	7.00					The second second		
_'		17.7		TANK BURNE					
1	77	3. 7) ·				C Division LC		-	
	-	SE 171					Colon Company	TO 1	اعتبادتن
1	2.2.			CHEST CAL	an				
٦	· · · · · · · · ·	4.71.71		500 7 100	16.11	THE CALL	The state of the s		
H	S. 3.7-	12.2		17/2 Mills	(6.7)				(منقطر الأنظ
	11.6	11/11/11	100 50						
q		44 M	7	1000	100	التحري الأحاد		Contraction Contraction	***************************************
1		2		E STATE OF		-			THOUSAND THE BANK
J		20	11 . 2					40.	
٦	27.72			110.12		- 30	tera a see to the contraction		
li	15.70		7 1/2 1/2						

•p • 100 Observed for Standards
Known

- 100 Observed - Background for Sample Spikes
Spike

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ANALYTE

METHOD OF ANALYSIS 1678 3128

WEAN RECOVERY (#) 486

					-wis			
		SAMPLE 10			مرسم وي	SPIRED CONE.		p.
		DR DR	BACKGROUND	DUPLICATE	DIFF.	CRACHATE	RECOVERED	PERCENT
2.75	AUDINET	STANDARD	CONC	CONC.		CONC.	cosc.	RECOVERY
	ANALYST	0.75	CONC		-	0.75	0.25	100
(J-7-1)	7277	51:1.3	1010	10.10				
		2.75	10/0				C 22	G. C.
775.772 72.72	Ch	0.25				6.25	1.57	25
92.7	7 7	715	10.10	16.16				
4927	Carr	1.84	10.10	12.12				
27.544	7377	2:0.1	(0.10	11:12				
5-5-76	Cit?	ern core			ļ.,	10 CH 1 CH 1		100
	7 7	714	CC.16	10.10		ري. د تي ري	15 3 3	110
2.77	41.111	7:3-21	10.65	(Cits		2.00.		200
		223-1	10.05	10.05	V	6 50	755	17752
3	(iln)	970 C.50			1		and the same	
		173	1010	10.070				
							e de la compania del compania de la compania del compania de la compania del la compania de la compania del la compania de la	A STATE OF THE PARTY OF THE PAR
					4120010			
						NAME OF TAXABLE PARTY.	THE OWNER OF THE OWNER	
								· ·
المنتاريين			1		ENERGE TO DE	100	7 C - C - C - C - C - C - C - C - C	
						and the same of the same	VIII COMPANY	1
					-			
					TOTAL PROPERTY OF	to the same of the same of		
				11.17	Winter (1)			
				and he are as a proper a little				
					1377 7 7 1 1 1 1 1	0.0000000000000000000000000000000000000		للاستينان ا
				11.12.4.10.11.11				
					THE PARTY OF THE P			
				CHILDREN CONTRACTOR	- Tale - Tale			
				C-275-011-01	TO CAMPACT	\		

P = 100 Observed for Standards

P = 100 Observed - Background for Sample Spikes
Spike

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MALYTE

METHOD OF ANALYSIS

CATE LAST UPDATED

MEAN RECOVERY (X)

MEAN RECOVERY (X)

					-			
DATE	ANALYST	SAMPLE ID OR STAMDARD	BACKGROUND CONC.	DUPLICATE CONC.	DIFF.	SPIKED CONC. OR STANDARD CONC.	RECOVERED CONC.	P* PERCENT RECOVER
	Quar	225-1	10.01	11.01		2.25		
	Chir	P. 50 500				C 50	0.50	101
2-101-17		37/	10:02	(6.62		2.12	100	10.7
5-21-77		0.25 510				42.7	125	155
26-77		0.56 550	59.1 100 CZ	1662		0.50	17.52	102
11.2.27	9200	1255510	716 11 19	61		122	9.1.36	10.0
6-11-77		05050	A STATE OF THE STA	C. 'r		250		1.7
4-11-70		1.5050	17:01 11:01	i Ji		1.50		11.0
15-13-77		C' 50 " .	12011 1251	7 T. T. T. T.	~	1.1	2.52	1
U-13-77	52:11	1.50 510				€. 2.¢	1.53	16.5
18.83	410	C. 52				CJC	6.52	100
7-27	230 M2	0.50 STO				TO THE PROPERTY OF THE PARTY OF	2.5	165
511	19201	CSCSTO	DELLEGIS			6.56		114
-/1-17	(GIM	J-7.1	10.02			10 To	C -25	110
2000 12	100	-0 6 15	10111111	11.6				<u>{</u>
120.00			W. WILLES					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10030	C. 15	17 / 25	333/8 G	88.62		13.	77,77	100
35.72	18.00		EXECUTE STATES	6.02				1 119
(200) P	Contract		575W294					Column Trans
4.32/2	200		12.3				523	1.412.
4-7-77		3-0 1250					1777	16 1
	,-//		4: 1:2	(A) 100				i
;	200	F-78 - 784					17.57	
	/	3.7.	60.02	44.2				
		Sec. 1.46						
	Geni						1	
		716	(112	14.23				
(FREE	CIN:	0.00	والتنبين	فتتكندنس		£ ('.'		
		7.0	12/12	12022				
10.77	GLO	MANUAL COM				17 (Park	A. 20	16.6
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STANDARD DEVIATION(S)

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ATTACHMENT C COUNTY ROAD MAP WITH THREE MILE RADIUS

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ATTACHMENT D
USGS TOPOGRAPHIC MAP WITH
THREE MILE RADIUS

ONES & NEUSE

TEXAS WATER COMMISSION

Paul Hopkins, Charteau John O. Houchins, Commissioner B. J. Wynne, Ill, Commissioner



James K. Rourke, Jr., General Counsel Michael E. Field, Cheel Examiner Karen A. Phillips, Cheel Ceck

Larry R. Soward, Executive Director

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Paul Hopkins, Channan Ralph Roming, Commissioner John O. Houchins, Commissioner



C. Martin Wilson III, Geraral Course, James K. Rourke, Jr., Chef Examiner Mary Ann Hefner, Chef Clerk

Larry R. Soward, Executive Process

August 4, 1987

Mr. Jimmy Tedford (FDIC) P. O. Box 3148 Midland, Texas 79702

Re: B & W welding and Construction Site (#3 East Industrial Loop)

Dear Mr. Tedford:

On March 17, 1987, an inspection was conducted of the B & W Welding and Construction site located at No. 1 East Industrial Loop in Midland, Texas, by Jones and Neuse, Inc., consultants for the Texas Water Commission (TWC), and TWC representatives. Jones and Neuse, Inc. was retained by the TWC to perform inspections at potential hazardous waste sites.

The inspection revealed that the well at the B L W site is completed below grade with no surface casing. This improper well construction can allow outside sources of contamination from the adjacent area to enter the well. Field screening of soils around the well indicated the presence of chromium, however, the samples did not reveal leachable levels of E. P. Toxicity chromium. Therefore, a hazardous waste is not present at the site.

To prevent any further or possible contamination of the groundwater, the well should be completed properly of plugged and any chromium-containing soil removed from the premises. Should chromium-contaminated soil be left on-site, the property is subject to deed recordation requirements as outlined in Texas Administrative Code \$335.5 for industrial solid waste.

If you have any questions or problems, please call Mike Gutzmer at 512/463-7833.

Sincerely,

Cheesty Smith

Christy Smith State Superfund Unit Head Superfund Section Hazardous and Solid Waste Division

MPG:bt

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TELEPHONE MEMO TO THE FILE

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TEXAS WATER COMMISSION

Paul Hopkins, Chairman Ralph Roming, Commissioner John O. Houchins, Commissioner



Larry R. Soward, Executive Director Mary Ann Helner, Chief Clerk James K. Rourke, Jr., General Counsel

April 10, 1987

Mr. Jimmy Tedford FDIC Midland Consolidated Office P.O. Box 2836 Midland, Texas 79702

Re: #3 Industrial Loop Site Investigation

Dear Mr. Tedford:

This letter has been written pursuant to our telephone conversation of April 8, 1987. The site known as #3 Industrial Loop located in Midland, Texas, was investigated on March 17, 1987, by our consultant-Jones and Neuse. Inc., (JN). At that time soil and water samples were collected on the property site. Samples were also collected on the property south of #3 Industrial Loop. JN will be sending the TWC results of their investigation in the near future. We will be happy to forward a copy to you upon receipt.

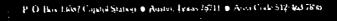
If you have any questions, please feel free to contact Ms. Kate Arthur of the State Superfund Unit at 512/463-8055.

Sincerely,

Mility South

Christy Smith State Superfund Unit Head Hazardous and Solid Waste Division

KLA/kk



TEXAS WATER COMMISSION

Paul Hopkins, Chairman Halph Roming, Commissioner John O. Houching, Commissioner



Larry R. Soward, Executive Director Mary Ann Helmer, Chief Clerk James K. Rourke, Jr., General Course.

March 16, 1987

Hr. Charles Faulds, P.E. Jones and Neuse, Inc. 2720 Bee Caves Road Austin, Texas 78746

Re: Sampling the Week of Harch 16, 1987

Dear Mr. Paulds:

The State Superfund Unit of the Texas Water Commission (TWC) has received the Data Collection Guidelines and the Executive Reports for the West Texas sites to be visited the week of March 16, 1987. The TWC would like to make the following comments and changes:

K and Kompany Electric - Midland, Texas

We will omit this site from further investigation. The invoices for the month of Harch should reflect this omission. Additional work will be substituted at a later date.

03 Industrial Loop Site - Midland, Toxas

Extensive field screening, both soil and ground water, will be done at this site. A spectrophotometer will be provided by the TWC to obtain relative concentrations of chromium in area water wells. All water samples will be held - not analyzed at this time. The holding time for this test is six months. A map will be drawn using the spectrophotometer data to correlate concentrations and ascertain the probable location of contamination. Soil screening samples will then be taken. Hot spots may be analyzed. A background soil sample will be collected and held. A map will be made showing the location of all areas field screened, samples, and wells.

Procision Machine and Supply - Odossa, Texas

Surface soils will be acreened for lead, chronium, and pH. Borings shall be taken to determine the depth of contamination. If the depth is significant for ranking

P. O. Hou 1887 Capital Status . Acade. Tomas 78/11 . According 512 463 1898.



Mr. Charles Faulds, P.E. Page 2 March 13, 1987

purposes, a sample shall be analyzed for lead and chromium. A background soil sample shall be collected and analyzed for lead and chromium. The nearest down-gradient water well used for a drinking water supply will be sampled and analyzed for chromium and lead. The nearest up-gradient water well will be sampled but not analyzed pending the results of the down-gradient sample. A map will be made showing the location of all areas field screened, samples, and wells. TWC chain of custody tags shall be double checked for concentration.

El Paso Acid Corporation - El Paso, Texas

The site will be field screened for pH. Jones and Neuse should be prepared to take soil samples for hydrocarbon constituents, EP tox heavy metals, as well as pH. The actual types and numbers of samples analyzed will be determined by the TWC in the field at the time of inspection. A map will be made reflecting the field activity.

If you have any questions or commonts, please contact Ms. Kate Arthur of the State Superfund Unit regarding this matter.

Sincerely,

David H. Sorrells, P.E. Chief, Superfund Section Hazardous and Solid Waste Division

KAICC

TEXAS WATER COMMISSION

Paul Hopkins, Chamman Balph Roming, Commissioner John O. Houchins, Commissioner



Larry R. Saward, Escentis Director

Mary Ann Helmer, Civer Clerk James K. Bourke, Jr., Governi Course.

February 20, 1987

Mr. Jimmy Tedford Federal Deposit Insurance Corporation P. O. Box 3148 Midland, Texas 79702

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: #3 Industrial Loop Site

Dear Mr. Tedford:

The Texas Water Commission (TWC) is conducting a statewide program to assess potential hazardous waste facilities or areas to determine what types of waste may be present and if any of these sites pose an "imminent and substantial endangement to public health and safety or the environment" in accordance with 31 Texas Administrative Code Chapter 315, Subchapter K. The TWC is authorized to conduct these inspections by \$7(c) and \$11(b)(1) of the Texas Solid Waste Disposal Act. The TWC herety informs you that your facility or area has been selected for assessment after a review of the available and pertinent file material.

The consulting firm of Jones and Neuse (JN) is under contract with the TWC and is a duly authorized representative of the TWC. As representatives of the TWC, employees of JN may, upon presenting a letter of introduction, enter any facility or area to inspect a site. In accordance with the Texas Solid Waste Disposal Act, \$7(a), authorized agents or employees of the TWC have the right to enter any property for the purpose of inspecting and investigating conditions relating to solid waste management and control. The TWC would appreciate your cooperation with JN personnel as you would cooperate with any State representative.

If samples are collected, your facility representative may obtain, upon request, a receipt describing the samples collected. You may also request a pottion of each sample before the JN representative leaves the facility. Any such information must be specified as confidential at the time of the inspection so that appropriate protective measures may be taken. An inspection may include reviewing records, taking photographs, and collecting samples.

P. O. Box 1969 Capital Station . Applied Lesson and . Social in 124 Inc. July

Mr. Jimmy Tedford Page 2 February 20, 1987

Mr. Michael Dick or one of his staff will attempt to contact you prior to inspecting the site. The inspection is tentatively scheduled for the week of March 16-20 or April 13-17.

Should you have any questions regarding this letter, please feel free to contact Ms. Christy Smith, State Superfund Unit Head at 512/463-7785.

Sincerely,

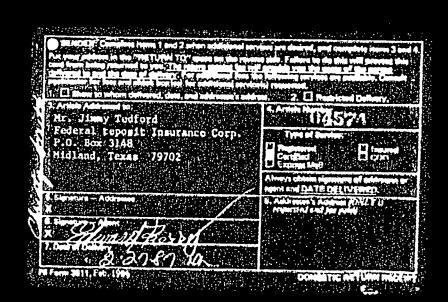
Bryan W. Dixon, P.E.

Director

Hazardous and Solid Waste Division

CS:bt

cc: TWC District 10 Office



Property Control of the Control of t

#3 INDUSTRIAL LOOP SITE MIDLAND, TEXAS

The old B & W Building at No. 3 Industrial Loop was formally a metal fabrication and welding shop. Answering a complaint, a district inspection found the water in an on-site water well to be green. Analysis of the well made in December 1984 had chromium values of 1.6 ppm. A private sample taken of the same well in April 1985 show 2.5 ppm of chromium. Samples taken at two off-site wells, showed the wells to be below .05 ppm.

Extensive sampling of area soils have shown no chromium. The source of the chomium in the groundwater is thought to be in a pit covered by cement located west of the site. A composite sample from the caliche pit located to the north had no chromium. There are no underground storage tanks or surface impoundments on site. One sample of soil taken "between the concrete and asphalt" showed a chromium level of 580 ppm. A phone call to Mart Tokheim indicated that the location of this sample is at Mayerick Drilling, 1/4 mile to the northwest. The area has since been removed and disposed of.

Once on site, a brief overview will be conducted. The area showing high levels of chromium will be field screened and if positive 1-E.P. Toxic chromium will be taken. Three water samples will be taken at the one on-site well and two off-site wells. A map will be made of the site showing the location of all areas field screened, samples and wells. Photographs of the site will be taken.

DATA COLLECTION GUIDELINE

JN Submittal Date	
TWC Approval Da	te
	ding (#3 Industrial Loop) - Midland, Texas
Team Leader	Robert L. Sherrill
Team Member	Airiam Renkin
TWC Contacts	Kate Arthur 512/463-8055
Site Contacts	Jimmy Tedford 800/592-4023
WASTE Type An	ticipated Soil Contamination
	Unknown
Samples	Anticipated EP Tox Chrome
	g Analysis Field screen chromium
SURFACE WATER	Availability None anticipated
Bollings with all	Samples
	Comments
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GROONDWATER	Samples Anticipated 3 Chronium
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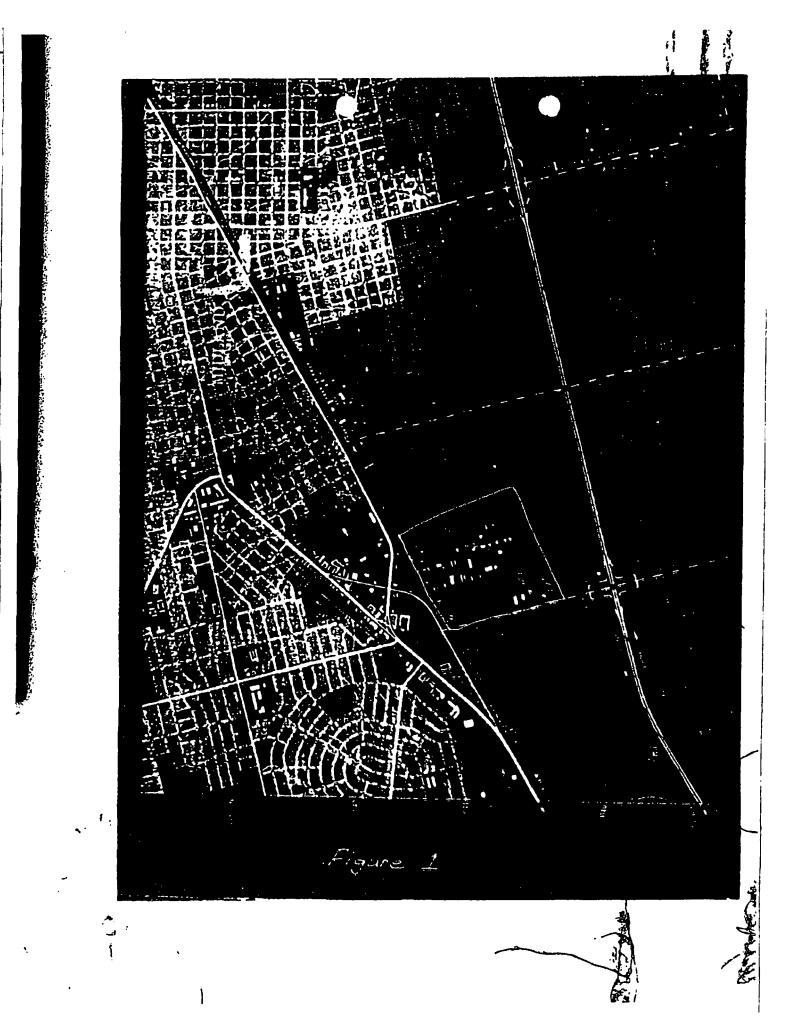


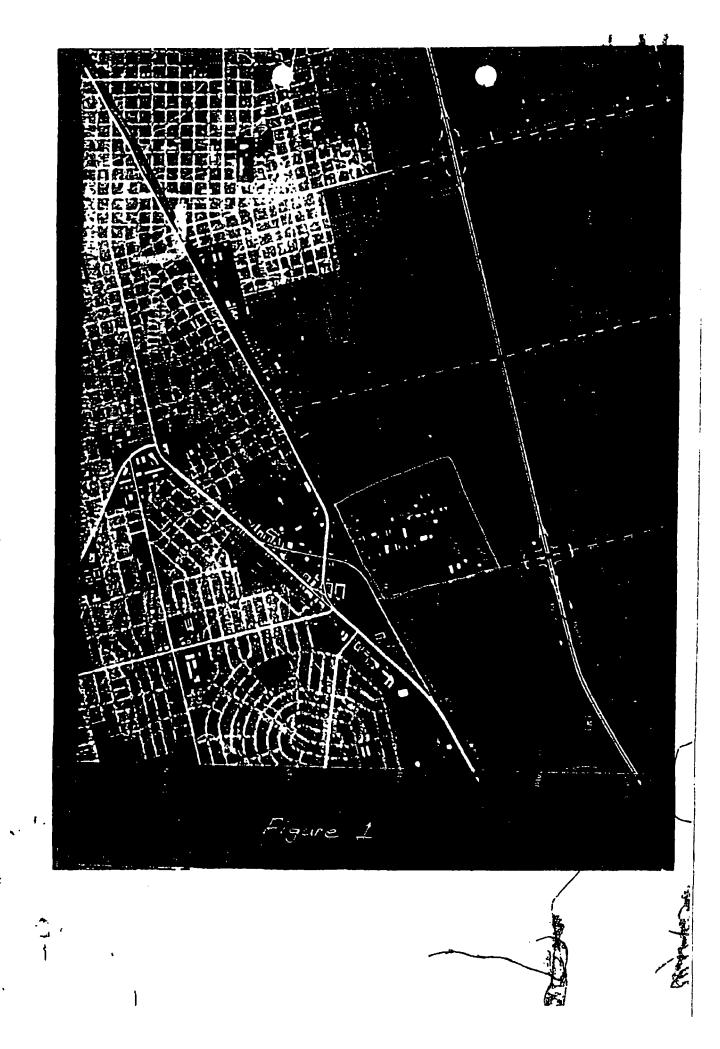
	Soil Gas Sampling None	
AIR Releas	e Anticipated None	
COMMENTS	Site has been extensively studied by District 10 personnel. No	
COUPAGN 12	evidence of soil contamination has been found. Groundwater co	1
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208 1488 248 76846 78798 Martin Water Laboratories, Inc.

RESULT OF WATER ANALYSES

LABORATORY NO.

708 W INDIANA MIGLAND YCCAS 75 7 PMONE AGENCY

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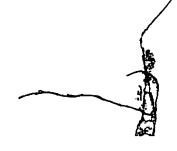


TEXAS DEPARTMENT OF WATER RESOURCES CHAHONNO.

4823

PARTYCITED Dowell Division-Dow Chemical Company	TOWN SW Reg. 31648 None
Address P 0 Box 1858 Cts Midland, Texas 7p 79702 Com	Midland C
Telephone No. AC 915 /682-4351 Date offense charge 5-18-83 ()	
Description of offense charged A complaint investigation on Majzed discharge of acid wastewater into an adjace	
intersection of County Road 170 East and County Colorado River Basin, from well-service vehicles	
ical Company in Midland.	entre de la companya del companya de la companya de la companya del companya de la companya de l
CHAHONIssied B. William F. Lockey, Supervisor	pac May 23, 1983
This Cultion directs the party cited for the absence charges to innect sives of 1 to convertice measures. The party cited shall submit to the assument factor of the assuments one two measures have treational rate in an area are in sometimal measures will be completed.	Intercolled Texas Department of Water Resources 204-A West 5th Street Udgssa, Texas 79761
The written notice of corrective measures shall be submitted no later than June 3, 1983	915/332-5122
Thereby acknowledge receipt of this CHAHON	
(Receipt does not constitute an admission of godt.)	Data.
Certified Mail- Return Receipt Requested No. P 3	249 544 466

YDWR-0206 (Rev. 2 23 79) Page 1 of 4





DOWELL DIVISION OF DOW CHEMICAL .



June 3, 1993

RE: CITATION NO. 4823



HILLIAM F. LOCKEY, SUPERVISOR TEXAS DEPARTMENT OF WATER RESOURSES 204-A WEST 5th STREET ODESSA, TEXAS 79761 ULFT. OF WATER RESOURCES DISTRICT 10

RECEIVED

JU 14 83

ENFORCEMENT AND FIELD OPERATIONS

Dowell has cleaned up this spill in accordance to your recommendation and our spill control and countermeasure plan. This spill was cleaned up on May 21, 1983. We feel that there is no further action required.

Sincerely,

Donald B. Brown
Regional Environmental Co-ordinator

DBB/ah





1700 N. Congress Avenue Austin, Texas

TEXAS WATER DEVELOPMENT BOARD

Louis A. Beecherl, Jr., Chairman George W. McCleskey, Vice Chairman Glen E. Roney W. O. Bankston Lounic A. "Bo" Pilgrim Louic Welch



Charles E. Nemir Executive Descript May 24. 1983 TEXAS WATTIC COMMISSIO Let B. M. Biggart, Chairm of Felia M. Donald John D. Stover

CERTIFIED MAIL-RETURN RECEIPT REQUESTED NO. P 249 544 466

Dowell Division-Dow Chemical Co. P O Box 1858 Midland, Texas 79702

Attention: Donald Brown

Dear Mr. Brown:

Re: Citation No. 4823

A recent complaint investigation by Department representatives on May 19, 1983 revealed an unauthorized discharge of acid wastewater into an adjacent roadside ditch near the intersection of County Road 170 East and County Road 1130 South. Apparently, Dowell Division personnel intentionally discharged the material on the evening of May 18, 1983 after treating a nearby well. Such discharge into or adjacent to state waters is a violation of statutes of the Texas Water Code,

Section 26.212 of the Texas Water Code provides that

- (a) No person may discharge, or cause or permit the discharge of any waste into or adjacent to any water in the state which causes or which will cause water pollution unless the waste is discharged in compliance with a permit or order issued by the department or the Railroad Commission of Texas.
- (b) No person to whom the lexas Water Commission has is sued a permit or other order authorizing the discharge of any waste at a particular location may discharge, or cause or permit the discharge of the waste in viglation of the requirements of the permit or order.

Section 26.213 provides that

A person who violates the provisions of Section 26.212 of this chapter is guilty of a misdemeanor and on conviction

REPLY TO: DISTRICT 10 / 204A W. STH STRICT / ODESSA, TEXAS 79761 / ARPA CODE 915-332-5122

P. O. Box 13087 Capitol Station . Austin. Toxas 78714 . Acceled. 512 475 3167



Dowell Divisic -Dow Chemical Co. page 2 Citation 10. 4823 May 24, 1983

is punishable by a fine of not less than \$10 nor more than \$1,000. Each day that a violation occurs constitutes a separate offense.

Due to these violations, it is necessary to issue a citation for documentation of the offense. Attached is a pink copy for your records via certified mail as referenced. Please take notice of the corrective measures due date of June 3, 1983 for submitting to the district, a written notification of what corrective reasures have been undertaken and the date by which such measures will be completed. Your signature on the return receipt in acknowledge-ment of Citation No. 4823.

Should you need assistance, please feel free to contact we at the Odessa district office.

Sincerely,

William F. Lockey.
District Supervisor

WFL/pb

Attachment

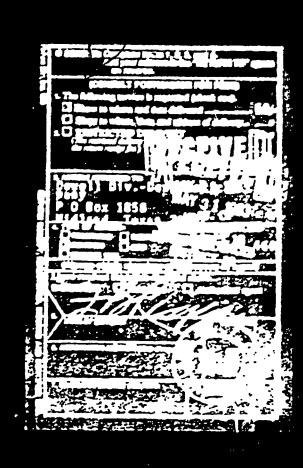
CERTIFIED MAIL-RETURN RECEIPT REQUESTED NO 18 149 544 466

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A CONTRACTOR OF THE PERSONS ASSESSED.



Second Hill

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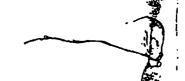
TEXAS DEPARTMENT OF WATER RESOURCES

INVESTIGATION REPORT

DES 1 / 184

Date Investigation Ring	sested July 19,	DISTRICT	. Crrus	FIELD OPERATION	S' Iezas ri
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Telephone offic	e (915)-683-94)	74 nore (41%) 8	3.1	Water Hights Others	
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Assignation regular



RAIL DAD COMMISSION OF TEX

OIL AND GAS DIVISION

MACK WALLACE, Chairman BUDDY TEMPLE, Commissioner JAMES E. (JIM) NUGENT, Commissioner



J. H. MORROW, P. Dares Dares Directed, and Operations

1124 \$ 311 35

CAPITOL STATION - P O DRAWER IN-

FIELD OPLINITIONS

July 16, 1984

Ms. Leah Burnett Texas Department of Water Resources Enforcement & Field Operations Division Box 13087 Capitol Station Austin, Texas 78711

> Ret Mr. G. A. Magee Complaint =8-0187 Pre-Treat fo. Midland County, Texas

Dear Ms. Burnett:

The enclosed copy of our report on the subject complaint is being forwarded for your review and any assistance you might be able to provide. The problem does not appear to be related to all and gas operations. Please contact our Midland office if you need additional information or assistance.

Very truly yours,

132 140 C

Bill R. Ball Assistant Director, Field Operations

BRH: bw

Enclosure

cc: RRC-Midland



An Equal Officements Explises

OAD COMMISSION OF TEX OIL AND GAS DIVISION

MACK WALLACE, Chairman BUDDY TEMPLE, Commissioner
JAMES E. (JIM) NUGENT, Commissioner



250) N. BIG SPRING

P 0 BOX 2110

MIDIAND TEXAS 5002

July 6, 1984

MEMORANDUM:

Mr. Willis C. Steed, Director of Field Operations

ATTENTION:

Mr. Sill R. Hall

Re: Pro-Treat Co.

Midland County, Texas

SUBJECT:

Complaint Inventory No. 8-0187

COMPLAINT BY:

Bate: July 2, 1984

Mr. G.A. Magee Bate: 261y 2, 19 1710 N. Big Spring Reported: Telephone Midland, Texas 79701 home (915) 694-0469 office (915) 682-9474

MATURE OF COMPLAINT: Chemical stored in barn near his water well.

INVESTIGATED:

Wayne G. McClung

Date: July 3, 1984

RESULTS:

An inspection indicated a large locked metal building very near. Mr. Magee's water well. No indication of an oilfield

related problem.

FOLLOW-UP:

Recommend that this problem be referred to the Texas Depart-

munt of Water Resources.

COMPLAINANT CONTACT: In person July 3, 1934.

Archie P. Farr, District Director

An Equal Ongaries to Election



December 15, 1986

Ms. Christy Smith Texas Water Commission - Superfund P. O. Box 13087 Austin, TX 78711

RE: Chromium Contaminated Site in Midland, Texas, known as the B&W Building - Address of #3-E. Industrial Loop

fear Ms. Smith:

Pursuant to our latest telephone conversation on Thesday, December 2, 1986, I wish to thank you for your consideration in contacting me.

I would like to request a current written update on the status of the contamination referenced above. Your last report to me indicated that the Superfund group had begun working on this problem but had made no progress as yet. Please make a report to me at your very earliest convenience.

. The fDIC is ready to sell this property and shall do so with chromium contamination in place, if possible, as holding costs for this property have become inhibitive.

If T may be of any assistance or if you have any questions, please do not be sitate to contact me at 1-800-592-4023, Extension 6484.

Very truly yours,

Paul D. Evans Liquidation Assistant ORE/Commercial

PDE/bjw

cc: Rill Lockey
Texas Water Commission - Dist. 10
204-A W. 5th
Odessa, TX 79761-5023

Billy Brown Texas Water Commission P. O. Box 13087 Austin, TX 78711 FDIC Federal Deposit Insurance Corporation P.O. Box 3148, Midland, Texas 79702

CERTIFIED P 496 857 064

Hovember 26, 1986

Mr. Guy Tidmore - Superfund Texas Water Commission P. O. Box 13087 Austin, Texas 78711

RE: Chromium Contaminated Site in Midland, Texas - Owned by the FDIC

Dear Mr. Tidmore:

This letter is a follow up to my previous letter dated October 24. 1986, copy attached. I have not received any type of reply from you.

The FDIC's situation is considered argent; however, no progress is being made.

Again I wish to request your immediate attention to this matter. This real estate is for sale but the contamination is creating a major barrier.

'If I may be of any assistance, please contact me at 1-800-592-4923, A reply at your earliest convenience would be deeply appreciated.

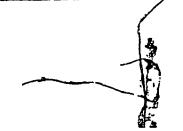
Yours very truly,

Paul D. Evans

Liquidation Assistant

Part D. Jone

PDE;om



October 24, 1986

Mr. Guy Tidmore - Superfund Texas Water Commission P.O. Box 13087 Austin, TX 78711

RE: Chromium Contaminated Site in Hidland, TX - Owned by the FDIC

Dear Hr. Tidmore:

I recently spoke with Dick Ehlert of your organization and he has referred me to you about the referenced contaminated site. I believe this site is on the Texas Water Commission records as the N & W Building. I refer to it by its address, #3 E. Industrial Loop.

I am contacting you, following Mr. Ehlert's recommendation, about the urgency of development on this chromium site. The FDIC has owned it since the discovery of the Chromium contamination, October, 1984, and is unable to sell the property, due to the liability resting with the contaminated situation.

(I wish to request your immediate attention to this matter in establishing whether this property will qualify for superfund status. The FDIC is continually incurring considerable holding costs while unable to sell this real estate.

Please reply at your earliest convenience. Thank you for your time.

Very truly yours,

Paul D. Evans

Liquidation Assistant

PDE/gsw

cc: Bill Brown
Texas Water Commission
P.O. Box 13087
Austin, TX 78711

Matt Tokheim Texas Water Commission - Dist, 10 204-A W. 5th Odessa, TX 79761-5023 Folia Deposit Insurance Corporation P.O. Box 3148, Midland, Texas 79702



October 24, 1986

Mr. Guy Tidmore - Superfund Texas Water Commission P.O. Box 13087 Austin, TX: 78711

RE: Chromium Contaminated Site in Midland, TX - Owned by the FDIC

Dear Mr. Tidmore:

I recently spoke with Dick Ehlert of your organization and he has referred me to you about the referenced contaminated site. I believe this site is on the Texas Water Commission records as the B & W Building. I refer to it by its address, #3 E. Industrial Loop.

I am contacting you, following Mr. Ehlert's recommendation, about the urgency of development on this chromium site. The FDIC has owned it since the discovery of the Chromium contamination, October, 1984, and is unable to sell the property, due to the liability resting with the contaminated situation.

I wish to request your immediate attention to this matter in establishing whether this property will qualify for superfund status. The FDIC is continually incurring considerable holding costs while unable to sell this real estate.

Please reply at your earliest convenience. Thank you for your time.

Very truly yours,

Paul D. Evans

Liquidation Assistant

PDE/gaw

cc: Bill Brown
Texas Water Commission
P.O. Box 13087
Austin, TX 78711

Matt Tokheim Texas Water Commission - Dist. 10 204-A W. 5th Odessa, TX 79761-5023

(Please complete with typewriter or blace pen)

Date of Call: 12-2-86 Date of Call: 12-2-86 Phone No: (515) 685-6400 Information for File: Mr. Edward was inquiring through 2 between to the Trick about the states of the above referenced property. Dat FDIC thous account the property and weakes to sall it, test is much early the extent of contamination has been defined and alcount accomplished. I informed the tweety above the property of the accomplished in the royal accomplished in the royal account of the property.	
Information for File: Mr. Grand was inquieng through 2 letters to the This about the states of the above referenced property. One FDIC how owns the property and washes to sold it, but i anset with the extent of contamination has been defined and alcanep accomplished 3 informed My. Evance that our consultant would be unestigating the site withing the next	
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TWC-02258 (Nev. 09-01-85)	

(Please complete with typewriter or black pen)

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Date of Call: 10//84	File No.:
Phone No.: ()	Subject: State Spech
	Referrals
Information for File: Pelph	to give come inter that
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to your surveys in the	
· · · · · · · · · · · · · · · · · · ·	•
2) = 3 Industrial Loop	- aka B& W Building -
located in the indust	reich area of Milland,
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Two-02268 (New. Op-01-85)	(continued)

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Signed: Signed:	

EPA INSERTED DOCUMENT SEPARATOR

(Please complete with typewriter or black pen)

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Date of Call: 10//86	File No.:
Phone No.: ()	Subject:
Phone No.: ()	
Information for File:	
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Twc 02258 (Rev. 09-01-85)	Milmon

COMP/MILLEND SO/ANOMY MOU

TEXAS WATER COMMISSION INVESTIGATION REPORT DISTRICT 10

Date Investigation Requested October 30, 1984 Source Jud Bar	ker - Texas Department of th
	stance or ComplaintX
Andress, Unknown	Pollution, Surface Water
City, State, Zip:Unknown	Pollution, Ground Water XX Solid Waste
Telephone Unknown	Others
Location Old R&W Building, #3 Industrial Loop, Midland, Midlan	d County, Texas.
Alleged Problem. The groundwater at the above location is discol	ored light green.
The property is currently owned by the FDIC.	
Summary of Investigation <u>B&W was formerly a metal fabrication</u> , we tion conducted by Joan Middleton revealed the water to be gr	
Middleton on December 13, 1984 revealed chromium at 1.66 mg/	1.
C) Interim States of Corrective Action if problem is not yet resolved	
25 Finat Resolution of Problem: An additional investigation (see a	ttachment) completed January
14, 1986 consisted of sampling surrounding water wells and s	ampling of a nearby calichie
pit used for disposal of various types of waste. No chromiu	m was found in any other
samples taken. On March 17, 1986 it was learned that an old	drilling mud company was
located approximately 4 mile to the northwest of the contami	nated well. Soil samples showed
hazardous levels of hexavalent chrome. Appropriate measures of this site.	
Date and method of notification of person making request for assistance or complaint	Yaul Evans With The Fift
will be updated with each new development.	H- TAA
County Midland Segment No. 1412 Matt Tok	he in second of the second
River Basin Colorado Perint No N/A William	F. Lockey, District Manage
	1006

C 0264 Ofer 00 27 850 ...



FDIC Federal Deposit Insurance Corpora Mount (.:

April 16, 1985

William F. Lockey, Supervisor Texas Department of Water Resources 206 W. 5th St. Odessa, Texas 79761

SUBJECT: Midland Consolidated Office FDIC-#3 Industrial Loop, East Midland, Texas Chromium Contamination

Dear Mr. Lockey,

For your information, at The Texas Department of Water Resources, I wish to give you a copy of the latest water testing report done at #3 Industrial Loop East by Martin Water Labs in Midland. As is apparent, the contamination has increased greatly during the last six months.

! Thank you for your assistance during the last few weeks,
 Please let us know of any progress,

Very truly yours.

Paul D. Evans Liquidation Assitant

PDE/1kw

APR | 8 1985

1 /

TOP W INCIANA
MIDIANO TERA J 7970
PHONE 683-4521

RESULT OF WATER ANALYSES

Hr. Paul Evans		ANGHATORY NO CEVET ANGEL HUMA	4-10	
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W. Reagan White, B.S.

Texas Water Commission

INTEROFFICE MEMORANUUM

: Bill Brown, P.E., Field Operations Liaison, Hazardous and Solid Waste Division TO

DATE: January 14, 1986

THRU

: Matt Tokheim, Engineering Technician III, District 10, Field Operations FROM

SUBJECT: Chromium Contamination of the old B & M Building water well in Midland,

Midland County

Introduction

This report covers the findings of an investigation of groundwater contamination of a water well located in the industrial complex on the southwest side of Midland at #3 Industrial Loop. The investigation was initiated by Joan Middleton of the TDWR District 10 office as a result of an anonymous compliant on October 30, 1984. The property with the contaminated well was the B S W Building and is currently owned by the FDIC.

Nature of Problem

According to the complainant, the well water was a light green color. The original sample taken on October 31, 1984 showed no chromium present. Small levels of zinc and strontium were found. A later sample taken on Dacember 13, 1984 revealed a chromium level of 1.6 ppm (See Attachment). The owner of the building repertual that the water was this color when the well was drilled in 1981. This building has been vacant for roughly two years. The building was formerly used as a metal fabrication, welding shop.

Details of the Investigation

Joan Middleton, District 10 field representative, conducted the initial field investigation on December 4, 1984. Nater samples and water table depths were taken of available wells in the surrounding area. The investigation was reassigned to the writer in July of 1985 after Ms. Midaloton acquired employment with the EPA.

Water wells in the area are completed in the very southern portion of the Ogallala Aquifer. Published data on the Ogallala in this area sungest an east-southeast hydraulic gradient (See Attachment). This flow direction roughly corresponds to the topography of the area. The Southern Ogallala formation is composed of 60-70% coarse grained, grey to red sand, 20-30% varicolored clay and silt, and 10-20% gravel. The Ogallala is underlain unconformably by a heterogeneous surface of Cretaceous valleys and peaks. Areas of the Ogallala in Ector, Midland, and Glasscock Counteys and peaks. Areas of the ogartata in Ector, Marand, and Glasscock Counters that are underlain by this Cretaceous Irinity Sands Aquifer and have a large saturated thickness, are generally considered to be hydraulically connected. The average saturated thickness of the Ogallala in the area of the contamination is 40-60 feet which is probably sufficient for the aquifers to be hydraulically connected. In the upper portion of the Ogallala in much of the Southern High Plains Aquifer there is what is known as a "Caprock". This aquiclude is IOM to Bill Brown From Matt Tokheim Subject: Chromium Contamination, Midland County

basically a layer of caliche. 10-20 feet thick with low primary porosity and permeability. In some areas of the aquifer this caliche had is fractured and or dissolved offering a higher rate of travel for fluids due to secondary porosity and permeability. A nearby excavation reveals this calichie to be slightly fractured on top with a gradational hardening effect with areater depth. Post Ogallala deposits are eplian sand and silt about 5 feet thick. Mater from the Ogallala in this area is a sulfate chloride type. Dissolved solids are 1000-2000 mg/l. Specific yield from the aquifer in this area is approximately 12°. Permeability of the sand and gravel beds of the Ogallala is on the order of 3.28 x 10-4 ft/s. This is a theoretical value for unconsolidated, clean sand and may be subject to variation with actual local formation characteristics.

As shown in Figure 1, the contaminated well is on the edge of an industrial complex. Water depths and samples were taken from these water wells from an area to the west, around the north to the northeast. One well to the far southwest and another well to the east were sampled. All these wells were found to be clean. Figure 1 shows water table depths at the different wells an reasoned during the investigation. Figure 2 is a contour of water table elevations calculated using reasoned depths corrected for topography and indicates a slip of hydraulic gradient to the west-northwest. This is directly opposite to the natural pragdent but is possible due to drawdown of the water table caused by parallel of searchy wells.

A sample taken from the contaminated well at the 6 % is Euildian on December 13, 1984 showed chromium levels of 1.6 ppm. A private social taken in April of 1985 was reported to have shown levels of 2.5 ppm. Hells No. 5, 10, 11 all show a trace of chromium but levels are all far below the 5% deinsion water standard.

On June 13, 1985 the writer followed up on an accomposite the that there had been a surface impoundment used for waste, in the Texas Flactic, but across the street to the west of the B & Woulding. No visible sions of such an impoundment were visible on the surface. A hand auger was used for subsurface sampling in several places. The discolored or oderiferous, soil was observed, and no other evidence could be found. A sample was taken just to the east of what appeared to be an active septic-type drain field emaking from Texas Plastics and analyzed for EP Texic chromium. (See Sample No. 18). Analysis showed no EP Texic chromium. A composite soil sample from the north calichie pit was also taken this day. Analysis showed no EP Texic chromium (See Sample #17). On August 13, 1935 more stands were taken at the NW corner of the southern pit (Sample #16). The other was a blue powdery substance, several partially filled base of which were found in the north pit (Sample #15). Both samples showed no EP Texic chrome. A large portion of the southern pit is covered over with coment. It appeared that other refuse had been covered by this coment. Dowell Schlumbercer has used this caliche pit for a gump site in the past. On January 22, 1985 Joan Middleton collected two of the many different bags. One labled Schlumbercer has used this caliche pit for a gump site in the past. On January 22, 1985 Joan Middleton collected two of the many different wastes disposed of in this pit much of which is covered over by cement, and because of the shallow water table deem of approximately 25 feet, the pit being greater than 15 feet deep ind the possibility of a slight hydraulic gradient to the west - northwest, it is believed by the writer that the source of contamination is societies in the lower according to Dowell personnel, chromates have never been used at this facility. Also soil samples taken around an in-ground tank at this location showed no chromium. Some water wells between



10M to Bill Brown From Matt Tokheim Subject: Chromium Contamination, Midland County

Dowell and the contaminated well did show traces of chrome. However, these levels were very small and some of the other wells located in between were clean. A Champion Chemical facility located to the northwest has used a small amount of chromium in the past. This facility has no in around tanks or surface impoundments. A sample was taken from a small poel of stormwater on the Champion property and found to centain no EP Toxic chrome. Inc Champion facility will be considered as only a minor suspect. No other obvious possible sources were located during the investigation. However the area under consideration is a large industrial complex with many different businesses.

Due to the information gathered in this investmation, it is believed by the writer that the source of this contamination is probably the califfe pit to the southeast of the contaminated well. At the present time, all reasonable possible avenues and resources at the district level have been eshousted. Focause it is an industrial area District 10 inspectors are frequently in the area. This report will be updated upon further developments or upon discovery of atom pertinant information.

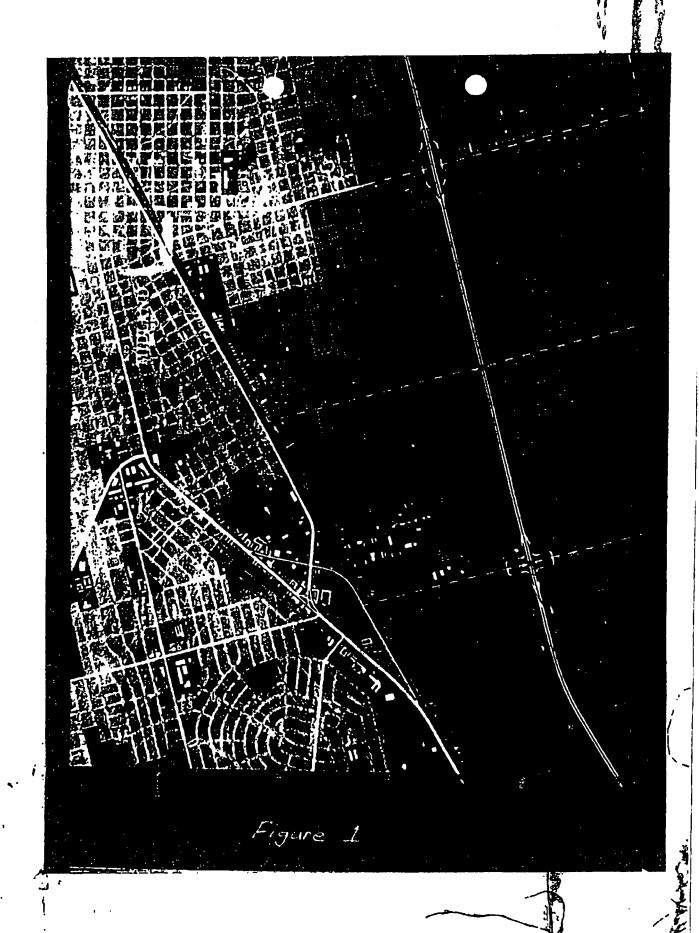
This is submitted for information only.

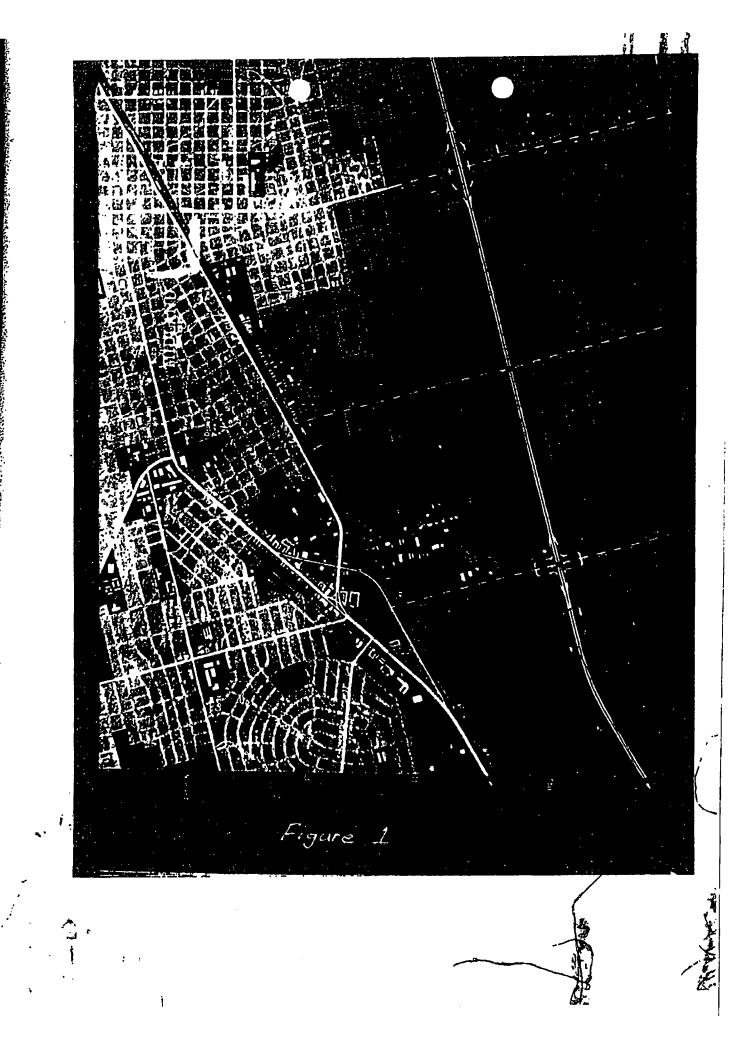
Signed: Matt Tokkein

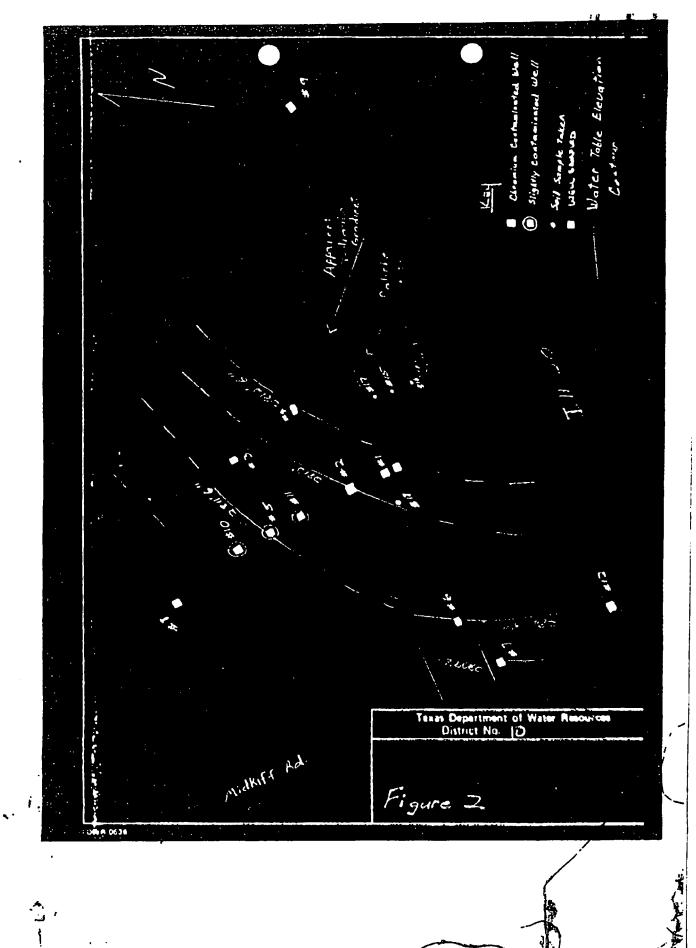
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Approve 1: William 10

District Manager







MAS WATER QUALI	TY BOARD		
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TEXAS WATER COMMISSION No. HM 02536 District	53	Lab Used TDH Material Sampled: Ray		b. No.
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March ...

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TEXAS EPARTMENT OF WATER RESOUR INVESTIGATION REPORT DISTRICT 10

NEV 30 '84

SMENT AND

Date investigation Requested October 30, 1984 Source Mr. Je	d Barker-Texas Departu =
flequest for Assi	stance or Complaint
Name Anonymous Dist. Ref. #84-11041	TYPE
Address Unknown	Pollution, Surface Water Pollution, Ground Water
City State, Zip Unknown	Solid Waste Water Rights
Tetephone Unknown	Others
Location B & W Building, =3 Industrial Loop Midland.	Midland County
The ground water at the B & W Building	location is discolored
light green.	
Superconvoluces again B. & W. Building has been vacant for was formerly a metal fabrication, welding shop). If against the state of the B. & Building revealed the colored a light green. The owner stated the ground when the water well was drilled in approximately 19 for approximately 15 minutes before samples were contained been shipped to the Texas Department of Health Allowed. States of Corrective Action if problem is not yet resolved.	t the well water was dis- water was this color B1. The well was pumped Dlected. The samples
from Resolution of Problems: A preliminary analysis for an run by the City of Odessa laboratory on Hoverber 1, chromium was present. The Texas Department of Heal are currently pending. Further sampling of area of the conducted to determine the extent of chromium can a possible source of contamination.	1984 - 1.3 mg/l of th laboratory analyses ound water wells will
Translated a estimated northernous of perion making request for assistance or complaints	As this was an adonymous
complaint, the complainant was not notified of the	results of the investigation
Midland 1412 A.,	Middleton
Coonly 910 and Segment No. 1912 Joan 91	and a routhing of furerning
	im F. Luckey, Supervisor lovember 26, 1984
Date	to the oct in the contract of

OVERSIZE DOCUMENTS, MAPS, & PHOTOS

Record Series: 517E DiscevER1

The below listed documents, from the above referenced file, that belong in this location in the file were not microfilmed because of their size and/or media format. See the Records staff for the location of the following oversize documents and/or photographs:

DATE ON DOCUMENT	DESCRIPTION OF DOCUMENT
	abandord BLDG (B-W)
NA	Site Inspection Report
NA-	SITE LOUATION MAP 4 Shits
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